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Product Datasheet

WNK463, CAS [[2012607-27-9]] FBM-10-4109

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| Article Name | WNK463, CAS [[2012607-27-9]] |
| Biozol Catalog Number | FBM-10-4109 |
| Supplier Catalog Number | 10-4109 |
| Alternative Catalog Number | FBM-10-4109-5MG,FBM-10-4109-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | WNK kinase inhibitor... |
| Molecular Weight | 463.47 |
| Purity | >98% by HPLC NMR (Conforms) |
| Form | White solid |
| CAS Number | [2012607-27-9] |
| Formula | C21H24F3N7O2 |
| Application Notes | <p>Potent and selective pan-With-No-Lysine (WNK) kinase inhibitor (IC50s: WNK1 = 5 nM, WNK2 = 1 nM, WNK3 = 6 nM, WNK4 = 9 nM), an important enzyme in blood pressure regulation and body fluid and electrolyte homeostasis.¹ WNK kinases respond to hypertonicity by regulating SLC12 cation chloride transporters to rescue cell volume.² WNK463 reduced migration of invasive types of breast cancer and attenuated tumor growth and metastatic burden in a mouse model.³ It induced a significant increase in NLRP3 inflammasome activation and pyroptosis specifically via WNK1 inhibition as well as increasing TNF production without inflammasome activation.⁴</p> |